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62.23 Field Investigations in Pomology

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SPRING OF 1908

Wholesale Catalogue

OF THE

Waukegan Nurseries

WAUKEGAN, ILLINOIS

R. DOUGLAS' SONS, Proprietors

Long Distance 'Phone No. 30

Our List is not a long one, as we propagate the kinds we know to be hardy and valuable, and no others.

We make a specialty of growing Colorado Evergreens, which have attracted so much attention lately, both in this country and Europe, and have by far the largest stock in cultivation.

Our Transplanted Trees are grown much farther apart than is usual, allowing them room to be taken up with perfect roots.

We also make a specialty of growing Evergreen Trees from Seed in very large quantities for Nurserymen, and Forest Trees for Planters.

Guarantee of Genuineness

While we exercise the utmost diligence and care to have our varieties true to name, and hold ourselves in readiness, on proper proof, to replace all trees, etc., that may prove otherwise, or refund the amount paid, it is mutually understood and agreed between the purchaser and ourselves that we shall in no case be liable for any sum greater than the amount originally received for said trees, etc., that prove untrue.

The prices annexed do not include boxes or bales, which we charge for, at cost, as follows :

Boxes (including packing)	12 ft. long by	30-inch ends	....	\$3.50
"	"	"	12 ft.	"
"	"	"	28-inch	" 3.25
"	"	"	10 ft.	"
"	"	"	30-inch	" 3.00
"	"	"	10 ft.	"
"	"	"	28-inch	" 2.75
"	"	"	8 ft.	"
"	"	"	24-inch	" 2.50
"	"	"	7 ft.	"
"	"	"	24-inch	" 2.25
"	"	"	6 ft.	"
"	"	"	24-inch	" 2.00
"	"	"	5 ft.	"
"	"	"	20-inch	" 1.50

Bales, according to size, 15 cents to \$2.50.

No charge is made for conveyance from the nursery to the Railroad Station.

TERMS AND CONDITIONS

The terms of payment must invariably *be cash or satisfactory security before shipping.*

When goods are ordered by express C. O. D., one-half the amount in cash must accompany the order.

We pack in strong, light boxes, *for which we make a moderate charge.*

No charge is made for delivering goods at Freight or Express office.

After delivering our goods to forwarders our responsibility ceases.

When losses occur through detention or neglect, *enroute*, claims should be made *at once*, on the forwarders.

Any mistake of ours will be promptly corrected if notified within five days of receipt of goods.

Purchasers will confer a favor by stating the manner in which they wish their goods sent, by freight or express. We can ship from Waukegan by the American Express, Chicago & Northwestern Railway; Elgin, Joliet & Eastern Railway; and from Gurnee via United States Express and Chicago, Milwaukee & St. Paul Railway; by boat to Chicago; also give us the route from Chicago if practicable. Write postoffice address plainly.

The articles on the following list will be furnished at annexed prices only when the quantity specified is taken except as follows: 50 at 100 rates, 500 at 1,000 rates, etc. Rates, by the 100 or 1000 etc., will not apply when two or more articles or classes offered separately are included to make up the right number.

We have by far the largest stock of Evergreens ever offered in the United States, all grown from seeds on our own grounds.

Rare Evergreens

We desire to call the trade's attention to our large stock of *Picea pungens*, both blue and green forms, *Pseudotsuga Douglasii* and *Abies Concolor*, all raised from Colorado seeds on our grounds and all perfectly hardy. We are offering the Concolor or white fir at a very low rate as we want this beautiful tree better known and take this means of so doing.

	Size	Each	Per 10
<i>Picea pungens</i> blue form selected.	5-6 ft.	\$5 50	\$45 00
“ “ “ “ “	4-5 ft.	4 50	35 00
“ “ “ “ “	3-4 ft.	3 50	25 00
“ “ “ “ “	2-3 ft.	2 50	20 00
“ “ “ “ “	18-24 in.	1 50	12 00
“ “ green “ “	5-6 ft.	4 00	30 00
“ “ “ “ “	4-5 ft.	3 00	25 00
“ “ “ “ “	3-4 ft.	2 00	15 00
<i>Abies Concolor</i> Colorado white fir.	6-7 ft.	5 00	50 00
“ “ “ “ “	5-6 ft.	4 00	35 00
“ “ “ “ “	4-5 ft.	3 00	25 00
<i>Pseudotsuga Douglasii</i> Douglas Spruce	6-7 ft.	3 00	25 00
“ “ “ “ “	5-6 ft.	2 00	15 00
“ “ “ “ “	4-5 ft.	1 50	12 00
“ “ “ “ “	2-3 ft.	1 00	8 00
“ “ “ “ “	18-24 in.	50	3 50
<i>Pinus Ponderosa</i>	7-8 ft.	5 00	

Above prices includes digging with a ball and burlapping on trees over 2 to 3 ft. We will ball and burlap this size at 25c. additional to above prices.

RARE COLORADO EVERGREEN SEEDLINGS

	Height	100	1,000
<i>Picea pungens</i>	3-5 in.	\$2 00	\$18 00
<i>Picea Englemanni</i>	4-6 in.	1 50	12 00
<i>Pseudotsuga Douglasii</i>	4-6 in.	1 50	12 00
“ “	6-9 in.	2 00	15 00
“ “	9-12 in.	2 50	20 00
<i>Pinus Aristata</i> ..	3-5 in.	1 50	12 00
“ <i>Ponderosa</i>	12-15 in.	2 00	12 00
“ “	10-12 in.	1 50	10 00
“ “	6-9 in.	1 00	8 00
<i>Abies Concolor</i>	2 yrs.	2 50	20 00

Evergreen Trees Transplanted

	Height	Each	Per 10	Per 100	Per 1000
Norway Spruce.....	8-9 ft.	\$4 00	.....	.....	.....
“ “	6-7 ft.	2 50	.....	150 00	.....
“ “	5-6 ft.	1 50	.....	100 00	.....
“ “	3-4 ft.	50	\$5 00	\$35 00	.....
“ “	15-18 in	.....	.....	6 00	35 00
“ “	10-12 in	.....	.....	2 00	17 00
White Spruce.....	3-4 ft.	.....	3 50	.....	.....
“ “	2-3 ft.	.....	2 50	.....	.....
“ “	18-24 in	.....	1 00	8 00	.....
Balsam Fir.....	3-4 ft.	.....	3 50	.....	.....
“ “	2-3 ft.	.....	2 50	.....	.....
“ “	18-24 in	.....	2 00	15 00	.....
“ “	15-18 in	.....	1 50	12 00	.....
Scotch Pine.....	3-4 ft.	.....	2 00	18 00	150 00
“ “	2-3 ft.	.....	1 50	12 00	.....
“ “	18-24 in	.....	1 00	8 00	.....
Austrian Pine	2-3 ft.	.....	2 00	15 00	.....
Mountain Pine Dwarf	12-15 in	25	2 50	15 00	.....
White Pine	3-4 ft.	.....	4 00	35 00	.....
“ “	15-20 in	.....	2 00	15 00	.....
“ “	12-15 in	.....	2 00	12 00	.....
Jack Pine	12-15 in	.....	1 50	12 00	.....
Balsam fir, large cone, new	2-3 ft.	.....	6 00	.....	.....
Abies Siberica.	5-6 ft.	.....	12 00	.....	.....
Arbor Vitae American	4-5 ft.	.....	4 00	.....	.....
“ “ “	2-3 ft.	.....	3 00	25 00	.....
“ “ “	15-18 in	.....	.....	5 50	50 00
“ “ “	12-15 in	.....	.....	5 00	45 00
“ “ Smithiana Douglas..	10-12 in	60	5 00	.....	.....
“ “ Compacta	2 ft.	50	.....	25 00	.....
“ “ “	12-18 in	30	.....	15 00	.....
“ “ Silver Tip	12-18 in	50	.....	.....	.....
“ “ Hoveyii	2-3 ft.	60	5 00	.....	.....
“ “ Globe.....	2 ft.	50	.....	.....	.....
“ “ Siberian.....	6 ft.	5 00	.....	.....	.....
“ “ “	3-4 ft.	1 50	10 00	.....	.....
“ “ “	2 ft.	50	5 00	.....	.....
Arbor Vitae Pyramid.....	8-9 ft.	7 50	.....	.....	.....
“ “ Golden	9-10 ft.	12 00	.....	.....	.....
“ “ “	5-6 ft.	5 00	.....	.....	.....
Juniper Savin.....	.....	30 00	.....	.....	.....

The above prices do not include digging with ball and burlapping.

Shrubs

	Height	Each	Pr.100
Spirea Van Houttei.....	3-4 ft.	\$ 25	\$16 00
Spirea Golden.....	3-4 ft.	25	16 00
Spirea A. Waterer.....	18-24 in	25	20 00
Rosa Rugosa.....	2 ft.	20	16 00
Tartarian Honeysuckle White.....	3-4 ft.	25	15 00
“ Pink.....	3-4 ft.	25	15 00
Pyrus floribunda.....	3-4 ft.	25	15 00
Indian Currant.....	2-3 ft.	20	14 00
Snowberry.....	3-4 ft.	20	14 00
Syringa.....	2-3 ft.	20	16 00
“.....	3-4 ft.	25	18 00
Cornus Siberica....	3-4 ft.	35	25 00
Lilac.....	3-4 ft.	35	25 00
Golden Elder.....	2-3 ft.	25	16 00
Cut Leaf Elder....	3-4 ft.	25	16 00
Russian Olive.....	2-3 ft.	25	15 00
Japan Quince.....	2-3 ft.	25	18 00
Barberry Thunbergii.....	18-24 in	25	16 00
“ Purpurea.....	2-3 ft.	25	16 00
“ Vulgare.....	2-3 ft.	25	16 00
Crab Bechtels Double Flowering.....	2-3 ft.	35	18 00
Wigelia Rosea... ..	2-3 ft.	35	18 00
Deutzia Crenata.....	3-4 ft.	25	20 00
Ligustrum Iboia.....	2-3 ft.	25	20 00
“ Amurensis.....	2-3 ft.	25	20 00
Hydrangea Paniculata Gdfl.....	2-3 ft.	25	16 00

EVERGREEN TREE SEEDLINGS

	Height	100	1000	10,000
Norway Spruce.....	12-15 in	\$2 00	\$10 00	\$80 00
“ “	10-12 in	1 25	8 00	70 00
“ “	6-9 in	1 00	6 00	50 00
“ “	4-6 in		4 00	35 00
White “	9-12 in	2 00	15 00	
“ “	6-9 in	1 50	10 00	
Scotch Pine	12-15 in	1 50	10 00	80 00
“ “	10-12 in	1 00	8 00	60 00
“ “	6-9 in	75	6 00	50 00
“ “	4-6 in		5 00	40 00
Austrian Pine	10-12 in	1 50	10 00	80 00
“ “	6-9 in	1 00	8 00	65 00
“ “	4-6 in	75	6 00	
White Pine.....	3 yrs	1 00	8 00	70 00
“ “	2 yrs	1 00	6 00	50 00
Mountain Pine (dwarf)	6-9 in	1 50	10 00	
“ “ “	4-6 in	1 00	7 00	60 00
Pitch Pine.....	3 yrs	1 50	10 00	
Jack Pine.....	15-18 in	2 00	12 00	
“ “	12-15 in	1 50	10 00	
“ “	10-12 in	1 00	7 50	
Arbor Vitae American	9-12 in	1 50	10 00	
“ “ “	6-9 in	1 00	7 00	60 00
“ “ “	4-6 in	75	5 00	40 00
“ “ Siberian	6-9 in	1 50	10 00	
Balsam Fir.....	2 yrs	1 00	6 00	

Forest and Ornamental Trees Transplanted

	Height	Each	Per 100
Norway Maple	10-12 ft.	\$1 00	\$80 00
Schwedleri Maple	10-12 ft.	2 00	
Hard Maple	10-12 ft.	2 00	
“ “	4-5 ft.	25	20 00
Soft “	8-10 ft.	35	30 00
Weirs' Cut Leaf Maple	12 15 ft.	3 50	
Catalpa Bungeii	8-9 ft.	2 00	
Hackberry	7-8 ft.	1 00	
“	10-12 ft.	1 50	
Plunus Pissardi	6-7 ft.	1 00	
Black Locust	5-6 ft.	25	10 00
Pyrus Floribunda	5-6 ft.	35	25 00
American Linden	3-4 ft.	25	10 00
Russian Mulberry	3-4 ft.	25	8 00
Russian Olive	4-5 ft.	25	10 00
Green or Western White Ash	8-10 ft.	50	35 00
“ “ “ “	10-12 ft.	1 00	50 00
American White Elm	10-12 ft.	1 00	60 00
“ “ “ “	7-8 ft.	50	35 00
“ “ “ “	4-5 ft.	25	25 00
American Mountain Ash	8-10 ft.	50	35 00
European Mountain Ash	10-12 ft.	50	35 00
Carolina Poplar	7-9 ft.	50	25 00
Golden Poplar	6-8 ft.	50	35 00
Russian Poplar P Simoni	6-8 ft.	50	25 00
Russian Poplar P. Nobski	6-8 ft.	50	25 00
Willow Russian Golden	6-8 ft.	35	20 00
“ Russian Golden	5 6 ft.	25	12 50
“ Italian Golden	6-8 ft.	35	20 00
“ Italian Golden	5-6 ft.	25	12 50
“ Britilensis Red	5-7 ft.	35	20 00
“ Laurel Leaved	8-12 ft.	50	
“ Laurel Leaved	4-6 ft.	20	12 50
“ Royal or White Leaved	6-8 ft.	35	20 00
“ Royal or White Leaved	5-6 ft.	20	15 00
“ Sieboldi	6-8 ft.	35	18 00
“ Sieboldi	5-6 ft.	25	12 50
Larch European	6-8 ft.	35	20 00
“ “	4-6 ft.	20	12 50
Tulip Tree	4-5 ft.	50	35 00
Sycamore	6-7 ft.	35	25 00
Box Elder	8-10 ft.	50	25 00
Box Elder	6-8 ft.	35	18 00

Forest and Ornamental Tree Seedlings

All of these seedlings are nursery grown and are much better rooted, straighter and stockier than those collected in the forest or river bottoms. All of our seedlings are dug with a spade or tree digger, while the forest grown ones are usually pulled up by hand, greatly injuring the root by so doing.

Deciduous Tree and Shrub Seedlings

	Height	Per 100	Per 1,000	Pr 10,000
Black or Yellow Locust.....	2-3 ft.	\$1 00	\$4 00	
" " ".....	18-24 in.	75	3 50	\$32 50
" " ".....	12-18 in.	50	2 75	25 00
Catalpa Speciosa.....	18-24 in.	1 50	6 00	
" " ".....	12-15 in.	1 00	5 00	
Green or Western Ash.....	18-24 in.	1 25	7 00	
" " ".....	12-18 in.	1 00	5 00	
Box Elder.....	12-18 in.	1 00	7 50	
" " ".....	6-9 in.	75	4 00	
European Mountain Ash.....	15-18 in.	1 50	10 00	
American Mountain Ash.....	12-15 in.	1 25	8 00	
" " ".....	6-10 in.	1 00	5 00	
Berberis Thunbergii.....	18-24 in.	8 00		
" " ".....	12-15 in.	4 00	20 00	
" " ".....	2 yr.	1 00	9 00	
" Purpurea.....	10-12 in.	3 00	15 00	
" Vulgare.....	18-24 in.	4 00	12 00	
" " ".....	6-9 in.	1 00	8 00	
Wild Black Cherry.....	10-12 in.	1 00	7 00	
Norway Maple.....	2 yrs.	2 50	20 00	
" " ".....	1 yr.	1 00	6 00	
Rhodotypus Kerrioides.....	2 yrs.	1 50	10 00	
Rosa Rugosa.....	10-15 in.	1 00		
Pyrus Japonica.....	18-24 in.	4 00	40 00	
" " ".....	1 yr.	1 50		
Celastrus, Japan Bitter Sweet...	1 yr.	1 50	12 00	
White Birch American.....	1 yr.	1 00	6 00	
" " ".....	18-24 in.	1 50	12 00	
Red Oak.....	15-18 in.	1 00	9 00	
Burr Oak.....	18-24 in.	1 50	9 00	
Russian Mulberry.....	1 yr.	75	5 00	
American Linden.....	2 yrs.	5 00		

Forest Trees by Mail

*We Offer the Following Packages by Mail, Postpaid
for \$1.00 per Package*

Our mail packages are made up of the number set opposite each kind and we *never divide* the packages, nor put more than *one kind* in each \$1.00 package.

Our experience of sending dollar packages of the best Forest and Ornamental Tree Seedlings, post paid, met with such success and so many encomiums from every part of the country, that we shall in future devote special attention to this business. The postage on each package and the labor of packing them costs nearly fifty cents, so the direct profits of this business are very small, but then when a man once begins planting trees, he is sure to keep on doing so, and we hope by placing good trees in small quantities and at cheap rates within the reach of all, to build up among the farmers in every part of the country the habit of planting every year a hundred or more trees, and of considering the planting a part of their regular farm work.

These trees reach their destination in any part of this country in as good condition as when leaving the nursery. We now send small packages of evergreens by mail to Europe in perfect order and have sent deciduous trees to the East Indies, 400 miles inland to Calcutta, that all lived and were in leaf ten days from planting.

No. 1—25 Berberis Thunbergii.....	2 years
No. 2—100 Green Ash.....	1 "
No. 3—100 Catalpa.....	2 "
No. 4—22 Pinus Aristata.....	1 "
No. 5—50 Rhodotyphus.....	2 "
No. 6—100 Norway Spruce.....	2 "
No. 7—100 Black Locust.....	1 "
No. 8—100 American Arbor Vitæ.....	2 "
No. 10—75 White Pine.....	2 "
No. 11—100 Austrian Pine.....	2 "
No. 12—100 Scotch Pine.....	2 "
No. 13—25 Japan Bitter Sweet.....	2 "
No. 14—50 Purple Berberis.....	1 "
No. 15—100 Box Elder.....	1 "
No. 16—40 Douglas Spruce.....	2 "
No. 17—25 Picea Engelmanii.....	2 "
No. 18—40 White Spruce.....	2 "
No. 19—Wild Black Cherry.....	1 "

Climbing Vines

	Per 100
Ampelopsis American Ivy	\$18 00
“ Veitchii	20 00
Clematis Henryii	30 00
“ Jackmanii	30 00
“ Paniculata	25 00
Honeysuckle, Halliana	20 00
“ Belgica	20 00
Matrimony ...	20 00
Wisteria	25 00

We Make a Specialty of Growing

HARDY AND RARE

Evergreen and Shade Trees

4 to 10 FEET FOR

Parks, Cemeteries and Ornamental Grounds

We offer the above at Special Reduced Rates in Carloads

Office of

THE ILLINOIS STATE ENTOMOLOGIST

URBANA, ILL., September 2, 1907.

THIS IS TO CERTIFY, That the growing Nursery Stock and premises of the Waukegan Nurseries (R. Douglas' Sons), have been inspected by R. D. Glasgow, a duly appointed inspector of this office, according to the provisions of an *Act to prevent the introduction and spread in Illinois of the San Jose Scale and other dangerous insects and contagious diseases of fruits*, approved and in force April 11, 1899, and that no indications have been found of the presence of San Jose Scale or other dangerous insect or plant disease.

This certificate applies only to the condition of this nursery for the year ending July 23, 1908.

S. A. FORBES,
State Entomologist